

APPENDIX C**AGE EXPLORATION (AE) DATA SHEET EXAMPLES**

As part of the AE program, the requirement exists for the recording of detailed information from the AE sampling inspections. The recommended method of feedback reporting consists of using AE data sheets. These data sheets ask for the recording of detailed information which will be used for the RCM analysis. The data should contain, or accompanying documents, guidelines instructing the maintenance personnel or artisan in a step-by-step manner through the entire data collection procedure for each AE inspection task, ensuring a continuous and uniform flow of information on all items. The data sheet should contain a pictorial view of the area to be inspected for the AE task. A great deal of care should be taken when designing the AE data sheet. Any necessary information left unrecorded could render the entire analysis useless. The AE data sheet should be tailored to each individual AE task, so that only the necessary information is recorded for that particular task.

The following are examples of AE data sheets that have been developed and implemented by various programs. These data sheets have been implemented for O, I, and D level maintenance inspections and component overhaul/repair.

LOC	DWG TOLERANCE	ALLOWABLE WEAR	MEASURED DIMENSION	
			L/H SIDE	R/H SIDE
A1	.1285 - .1305	0.14		
A2	.1285 - .1305	0.14		
B1	.128 - .135	0.145		
B2	.128 - .135	0.145		
B3	.128 - .135	0.145		
B4	.128 - .135	0.145		
C1	.128 - .135	0.15		
C2	.128 - .135	0.15		
C3	.128 - .135	0.15		
C4	.128 - .135	0.15		
D	.128 - .138	0.145		
E1	.1285 - .1305	0.14		
E2	.1285 - .1305	0.14		
F1	.128 - .135	0.145		
F2	.128 - .135	0.145		
F3	.128 - .135	0.145		
G1	.128 - .135	0.15		
G2	.128 - .135	0.15		
H	.128 - .138	0.145		

BUNO: _____

DATE: _____

FLT. HOURS: _____

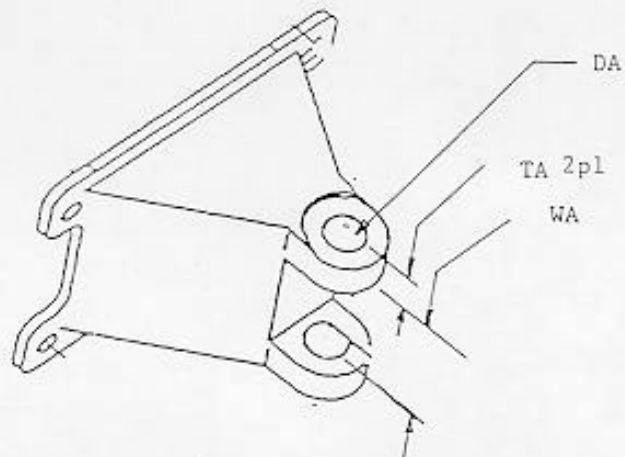
E-6 LE Spring Door
Measured Dimension Data Recording Sheet

Acronym Definitions for pages C-2 and C-3:

DWG - drawing R/H - right hand L/H - left hand
 LOC - location FLT - flight DIM - dimension

ATTACHMENT C DETAIL I

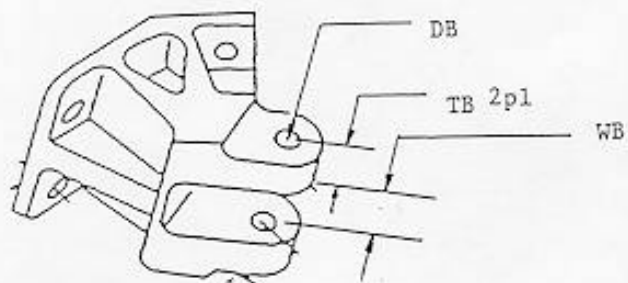
item A



P/N: 65-8703-2

DIM	DWG TOLERANCE	ACTUAL MEASURED DIMENSION
DA	.5611 - .5626	
TA	.21 (ref)	
WA	1.687 - 1.692	

item B



P/N: 9-65146-2001

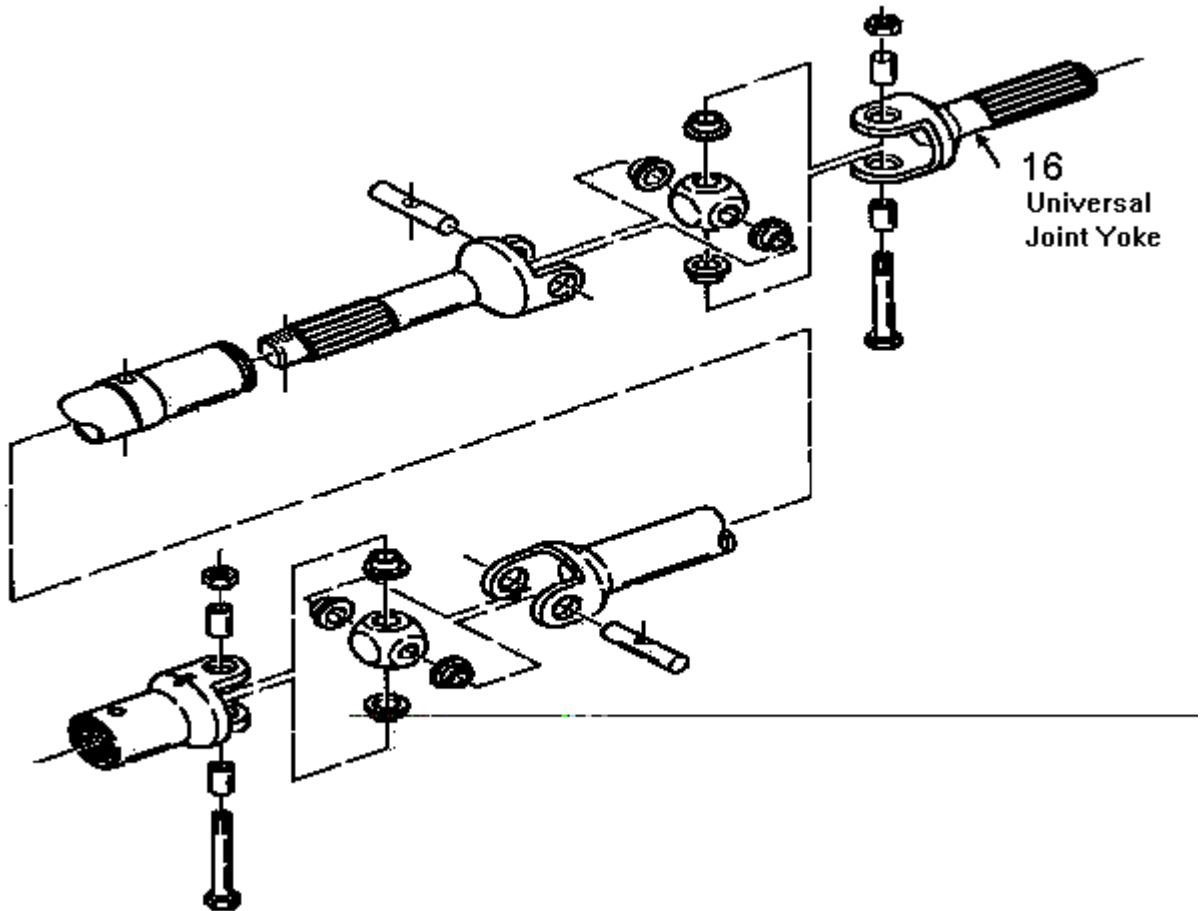
DIM	DWG TOLERANCE	ACTUAL MEASURED DIMENSION
DB	.3112 - .3122	
TB	.44 - .47	
WB	.812 - .817	

STAMP OR SIGNATURE HERE:

RUDDER SN:

BUNO#:

AV-8B AGE EXPLORATION PROGRAM



DATE 19-Sep-95	BUREAU NUMBER 164124	FLIGHT HOURS 1401.1	LANDINGS 2128	ROUNDS FIRED	SQUADRON VMA-214
-------------------	----------------------------	---------------------------	------------------	-----------------	---------------------

Report By : OLIVER/Markward Record Number : 6 Discrepancy Number :

Part Name : TRANSVERSE DRIVE SHAFT, RH

Part Number : 75A607128-1001 NHA Part Number : 75A607105-1007

Serial Number : WUC : 29E5L MAL Code : 20

Publication : A1-AV8BB-290-310 Work Package : 07100 Page : 7
Index : 16

Detected : ZONAL

Discrepancy : TEETH ON YOKE ARE EXTREMELY WORN. ALL SPLINES(TEETH) SHOW WEAR, MOST HAVE WORN TO KNIFE EDGE CONDITION. ITEM WAS INSTALLED WITH A -408 ENGINE. WEAR COVERS OUTBOARD 2/3 OF SPLINES, INBOARD 1/3 IS UNTOUCHED.

Action : REPLACED

Action Details : REPLACED RH TRANSVERSE SHAFT

Acronym Definitions for pages C-5 and C-6:

n/a - not applicable
NDI - non-destructive inspection
NHA - next higher assembly

AGE SAMPLING QUESTIONNAIRE

1. General Information		
(a) Work Unit Code 111A0	(b) BUNO	(c) Job Control Number
(d) Part Name Wing Attach Fitting, Frame 23	(e) Part Number 75A327204	(f) Component Serial Number n/a
2. AIRCRAFT DATA n/a		
3. INSPECTION		
(a) Frequency	(b) Damage Found ? YES NO	(c) Damage Length
(d) Other Damage	(e) How Was Damage Detected? NDI Visual	(f) Probable Cause

(g) Indicate Damage

